Test Type: 14-DAY

Species/Strain: Rat/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Propylene glycol mono-t-butyl ether

CAS Number: 57018-52-7

Date Report Requested: 10/22/2014 Time Report Requested: 14:55:55

First Dose M/F: NA / NA

Lab: BNW

C Number: C90004

Lock Date: 11/08/1996

Cage Range: All

Date Range: All

Reasons For Removal:

Removal Date Range: All

Treatment Groups: All

Study Gender: Both

PWG Approval Date NONE

Species/Strain: Rat/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Propylene glycol mono-t-butyl ether

CAS Number: 57018-52-7

Date Report Requested: 10/22/2014 Time Report Requested: 14:55:55

First Dose M/F: NA / NA

Lab: BNW

F 344/N Rat Male CONTROL

Test Type: 14-DAY

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 |
|------------------|---|---|---|---|---|
| | 0 | 0 | 0 | 0 | 0 |
| | 1 | 1 | 1 | 1 | 1 |
| | 7 | 7 | 7 | 7 | 7 |
| V VIII VVI I I I | 0 | 0 | 0 | 0 | 0 |
| ANIMAL ID | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 |
| | 1 | 2 | 3 | 4 | 5 |

*TOTALS

Alimentary System

Liver + + + + + 5

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

NONE

Musculoskeletal System

NONE

Nervous System

NONE

+ .. Tissue examined microscopically

M .. Missing tissue

A .. Autolysis precludes evaluation

X ..Lesion present

I ..Insufficient tissue

BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

Species/Strain: Rat/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Propylene glycol mono-t-butyl ether

CAS Number: 57018-52-7

Date Report Requested: 10/22/2014 Time Report Requested: 14:55:55

First Dose M/F: NA / NA

Lab: BNW

| F 344/N Rat Male |
|------------------|
| CONTROL |

Respiratory System

Special Senses System

Test Type: 14-DAY

| | DAY ON TEST | | 0 | 0 | 0 | 0 | | | |
|------------------------------|-------------|---|---|---|---|---|-----|----------|-----------|
| 344/N Rat Male | | 0 | 0 | 0 | 0 | 0 | | | |
| | | 1 | 1 | 1 | 1 | 1 | | | |
| ONTROL | | 7 | 7 | 7 | 7 | 7 | | | |
| | ANIMAL ID | 0 | 0 | 0 | 0 | 0 | | | |
| | | 0 | 0 | 0 | 0 | 0 | | | |
| | | ŏ | ŏ | ŏ | ŏ | ŏ | _ | | _ |
| | | 1 | 2 | 3 | 4 | 5 | *TC | <u> </u> | <u>LS</u> |
| espiratory System | | | | | | | | | |
| Lung | | + | + | + | + | + | 5 | | |
| Inflammation, Chronic Active | e | 1 | | | | | | 1 | 1.0 |
| Nose | | + | + | + | + | + | 5 | | |
| pecial Senses System | | | | | | | | | |
| NONE | | | | | | | | | |

DAY ON TEST O O O O

NONE

Urinary System

| Kidney | + | + | + | + | + | 5 | | |
|-------------------------------|---|---|---|---|---|---|---|-----|
| Accumulation, Hyaline Droplet | 1 | 1 | 1 | 1 | 1 | | 5 | 1.0 |
| Renal Tubule, Regeneration | 1 | | | | | | 1 | 1.0 |

M .. Missing tissue

I .. Insufficient tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

^{+ ..} Tissue examined microscopically

X ..Lesion present

Species/Strain: Rat/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Propylene glycol mono-t-butyl ether

CAS Number: 57018-52-7

Date Report Requested: 10/22/2014 Time Report Requested: 14:55:55

First Dose M/F: NA / NA

Lab: BNW

F 344/N Rat Male 75 PPM

Test Type: 14-DAY

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 |
|---------------|---|---|---|---|---|
| | 0 | 0 | 0 | 0 | 0 |
| | 1 | 1 | 1 | 1 | 1 |
| | 7 | 7 | 7 | 7 | 7 |
| V VIIIVAVI ID | 0 | 0 | 0 | 0 | 0 |
| ANIMAL ID | 0 | 0 | 0 | 0 | 0 |
| | 2 | 2 | 2 | 2 | 2 |
| | 0 | 0 | 0 | 0 | 0 |
| | 1 | 2 | 3 | 4 | 5 |

*TOTALS

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

NONE

Musculoskeletal System

NONE

Nervous System

NONE

+ .. Tissue examined microscopically

M .. Missing tissue

X ..Lesion present

A .. Autolysis precludes evaluation

I ..Insufficient tissue

BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

Species/Strain: Rat/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Propylene glycol mono-t-butyl ether

CAS Number: 57018-52-7

Date Report Requested: 10/22/2014 Time Report Requested: 14:55:55

First Dose M/F: NA / NA

Lab: BNW

F 344/N Rat Male **75 PPM**

Test Type: 14-DAY

| DAY ON TEST | 0 0 1 7 | 0 0 1 7 | 0 0 1 7 | 0 0 1 7 | 0 0 1 7 | |
|-------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------|--|
| ANIMAL ID | 0 0 2 0 1 | 0 0 2 0 2 | 0 0 2 0 3 | 0 0 2 0 4 | 0 0 2 0 5 | |

*TOTALS

Respiratory System

NONE

Special Senses System

NONE

Urinary System

| Kidney | + | + | + | + | + | 5 | | |
|-------------------------------|---|---|---|---|---|---|---|-----|
| Accumulation, Hyaline Droplet | 2 | 2 | 2 | 2 | 2 | | 5 | 2.0 |
| Renal Tubule, Regeneration | 1 | 1 | 1 | 1 | 1 | | 5 | 1.0 |

M .. Missing tissue

X ..Lesion present

A .. Autolysis precludes evaluation

I .. Insufficient tissue

BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

^{+ ..} Tissue examined microscopically

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Propylene glycol mono-t-butyl ether

Species/Strain: Rat/F 344/N

Test Type: 14-DAY

CAS Number: 57018-52-7

Date Report Requested: 10/22/2014 Time Report Requested: 14:55:55

First Dose M/F: NA / NA

Lab: BNW

F 344/N Rat Male 150 PPM

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 |
|-------------|---|---|---|---|---|
| | 0 | 0 | 0 | 0 | 0 |
| | 1 | 1 | 1 | 1 | 1 |
| | 7 | 7 | 7 | 7 | 7 |
| ANUMALID | 0 | 0 | 0 | 0 | 0 |
| ANIMAL ID | 0 | 0 | 0 | 0 | 0 |
| | 4 | 4 | 4 | 4 | 4 |
| | 0 | 0 | 0 | 0 | 0 |
| | 1 | 2 | 3 | 4 | 5 |

*TOTALS

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

NONE

Musculoskeletal System

NONE

Nervous System

NONE

+ .. Tissue examined microscopically

M .. Missing tissue

A .. Autolysis precludes evaluation

X .. Lesion present I .. Insufficient tissue

BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

Species/Strain: Rat/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Propylene glycol mono-t-butyl ether

CAS Number: 57018-52-7

Date Report Requested: 10/22/2014 Time Report Requested: 14:55:55

First Dose M/F: NA / NA

Lab: BNW

F 344/N Rat Male 150 PPM

Test Type: 14-DAY

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | |
|-------------|---|---|---|---|---|--|
| | 0 | 0 | 0 | 0 | 0 | |
| | 1 | 1 | 1 | 1 | 1 | |
| | 7 | 7 | 7 | 7 | 7 | |
| ANIMAL ID | 0 | 0 | 0 | 0 | 0 | |
| AMIMAL ID | 0 | 0 | 0 | 0 | 0 | |
| | 4 | 4 | 4 | 4 | 4 | |
| | 0 | 0 | 0 | 0 | 0 | |
| | 1 | 2 | 3 | 4 | 5 | |

*TOTALS

Respiratory System

NONE

Special Senses System

NONE

Urinary System

| Kidney | + | + | + | + | + | 5 | | |
|-------------------------------|---|---|---|---|---|---|---|-----|
| Accumulation, Hyaline Droplet | 2 | 2 | 2 | 2 | 2 | | 5 | 2.0 |
| Renal Tubule, Regeneration | 1 | | | | 1 | | 2 | 1.0 |

M .. Missing tissue

A .. Autolysis precludes evaluation

I ..Insufficient tissue

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

^{+ ..} Tissue examined microscopically

X ..Lesion present

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Propylene glycol mono-t-butyl ether

Species/Strain: Rat/F 344/N

Test Type: 14-DAY

CAS Number: 57018-52-7

Date Report Requested: 10/22/2014 Time Report Requested: 14:55:55

First Dose M/F: NA / NA

Lab: BNW

F 344/N Rat Male **300 PPM**

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 |
|----------------|---|---|---|---|---|
| | 0 | 0 | 0 | 0 | 0 |
| | 1 | 1 | 1 | 1 | 1 |
| | 7 | 7 | 7 | 7 | 7 |
| A NUMA A L. ID | 0 | 0 | 0 | 0 | 0 |
| ANIMAL ID | 0 | 0 | 0 | 0 | 0 |
| | 6 | 6 | 6 | 6 | 6 |
| | 0 | 0 | 0 | 0 | 0 |
| | 1 | 2 | 3 | 4 | 5 |

*TOTALS

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

NONE

Musculoskeletal System

NONE

Nervous System

NONE

+ .. Tissue examined microscopically

M .. Missing tissue

X .. Lesion present

A .. Autolysis precludes evaluation

I .. Insufficient tissue

BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

Species/Strain: Rat/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Propylene glycol mono-t-butyl ether

CAS Number: 57018-52-7

Date Report Requested: 10/22/2014 Time Report Requested: 14:55:55

First Dose M/F: NA / NA

Lab: BNW

F 344/N Rat Male 300 PPM

Test Type: 14-DAY

| DAY ON TEST | 0 0 1 7 | 0 0 1 7 | 0 0 1 7 | 0 0 1 7 | 0 0 1 7 | |
|-------------|------------------|-----------------------|-----------------------|-----------------------|------------------|--|
| ANIMAL ID | 0 0 6 0 | 0 0 6 0 2 | 0 0 6 0 3 | 0 0 6 0 4 | 00605 | |

*TOTALS

Respiratory System

NONE

Special Senses System

NONE

Urinary System

| Kidney | + | + | + | + | + | 5 | | |
|-------------------------------|---|---|---|---|---|---|---|-----|
| Accumulation, Hyaline Droplet | 2 | 2 | 2 | 2 | 2 | | 5 | 2.0 |
| Renal Tubule, Regeneration | | 1 | 1 | 1 | | | 3 | 1.0 |

M .. Missing tissue

A .. Autolysis precludes evaluation

I ..Insufficient tissue

BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

^{+ ..} Tissue examined microscopically

X ..Lesion present

Species/Strain: Rat/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Propylene glycol mono-t-butyl ether

CAS Number: 57018-52-7

Date Report Requested: 10/22/2014 Time Report Requested: 14:55:55

First Dose M/F: NA / NA

Lab: BNW

F 344/N Rat Male 600 PPM

Test Type: 14-DAY

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 |
|---|---|---|---|---|---|
| | 0 | 0 | 0 | 0 | 0 |
| | 1 | 1 | 1 | 1 | 1 |
| A N I I A A I I I I I I I I I I I I I I | 7 | 7 | 7 | 7 | 7 |
| | 0 | 0 | 0 | 0 | 0 |
| ANIMAL ID | 0 | 0 | 0 | 0 | 0 |
| | 8 | 8 | 8 | 8 | 8 |
| | 0 | 0 | 0 | 0 | 0 |
| | 1 | 2 | 3 | 4 | 5 |

*TOTALS

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

NONE

Musculoskeletal System

NONE

Nervous System

NONE

+ .. Tissue examined microscopically

M .. Missing tissue

X ..Lesion present

A .. Autolysis precludes evaluation

I ..Insufficient tissue

BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Propylene glycol mono-t-butyl ether

Species/Strain: Rat/F 344/N CAS Number: 57018-52-7

Date Report Requested: 10/22/2014 Time Report Requested: 14:55:55

First Dose M/F: NA / NA

Lab: BNW

F 344/N Rat Male 600 PPM

Test Type: 14-DAY

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | |
|-------------|-------------|-------------|-------------|-------------|-------------|--|
| ANIMAL ID | 1 7 | <i>1</i> 7 | <i>1</i> 7 | <i>1</i> 7 | 1 7 | |
| | U | 0 | 0 | 0 | 0 0 | |
| | 8 0 1 | 8 0 2 | 8 0 3 | 8 0 4 | 8 0 5 | |

*TOTALS

Respiratory System

NONE

Special Senses System

NONE

Urinary System

| Kidney | + | + | + | + | + | 5 | | |
|-------------------------------|---|---|---|---|---|---|---|-----|
| Accumulation, Hyaline Droplet | 2 | 2 | 2 | 2 | 2 | | 5 | 2.0 |
| Renal Tubule, Regeneration | | | 1 | | | | 1 | 1.0 |

M .. Missing tissue

X ..Lesion present

A .. Autolysis precludes evaluation

I ..Insufficient tissue

BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

^{+ ..} Tissue examined microscopically

Species/Strain: Rat/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Propylene glycol mono-t-butyl ether

CAS Number: 57018-52-7

Date Report Requested: 10/22/2014 Time Report Requested: 14:55:55

First Dose M/F: NA / NA

Lab: BNW

F 344/N Rat Male 1200 PPM

Test Type: 14-DAY

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 |
|----------------|---|---|---|---|---|
| | 0 | 0 | 0 | 0 | 0 |
| | 1 | 1 | 1 | 1 | 1 |
| | 7 | 7 | 7 | 7 | 7 |
| V VIII VVI ILI | 0 | 0 | 0 | 0 | 0 |
| ANIMAL ID | 1 | 1 | 1 | 1 | 1 |
| | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 |
| | 1 | 2 | 3 | 4 | 5 |

*TOTALS

Alimentary System

Liver + + + + +

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

NONE

Musculoskeletal System

NONE

Nervous System

NONE

+ .. Tissue examined microscopically

M .. Missing tissue

X ..Lesion present

A .. Autolysis precludes evaluation

I ..Insufficient tissue

BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

Test Type: 14-DAY

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Propylene glycol mono-t-butyl ether

CAS Number: 57018-52-7

Date Report Requested: 10/22/2014 Time Report Requested: 14:55:55

First Dose M/F: NA / NA

Lab: BNW

| F 344/N Rat Male |
|------------------|
| 1200 PPM |
| |

Species/Strain: Rat/F 344/N

| DAY ON TEST | 0 | 0 | 0 0 | 0 | 0 0 |
|-------------|---|---|-----|---|-----|
| | 7 | 7 | 7 | 7 | 7 |
| ANIMAL ID | 0 | 0 | 0 | 0 | 0 |
| ANIIVIAL ID | 1 | 1 | 1 | 1 | 1 |
| | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 |
| | 1 | 2 | 3 | 4 | 5 |

*TOTALS

| Respiratory | System |
|-------------|--------|
|-------------|--------|

| Lung | + | + | + | + | + | 5 | | |
|------------------------------|---|---|---|---|---|---|---|-----|
| Inflammation, Chronic Active | | | | | 1 | | 1 | 1.0 |
| Nose | + | + | + | + | + | 5 | | |

Special Senses System

NONE

Urinary System

| Kidney | + | + | + | + | + | 5 | | |
|-------------------------------|---|---|---|---|---|---|---|-----|
| Accumulation, Hyaline Droplet | 2 | 2 | 2 | 2 | 2 | | 5 | 2.0 |
| Renal Tubule, Regeneration | | | 1 | | 1 | | 2 | 1.0 |

END OF MALE DATA

M .. Missing tissue

A .. Autolysis precludes evaluation

I ..Insufficient tissue BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

^{+ ..}Tissue examined microscopically

X ..Lesion present

Test Type: 14-DAY

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Propylene glycol mono-t-butyl ether

CAS Number: 57018-52-7

Date Report Requested: 10/22/2014 Time Report Requested: 14:55:55

First Dose M/F: NA / NA

Lab: BNW

F 344/N Rat Female CONTROL

Species/Strain: Rat/F 344/N

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 |
|-------------|---|---|---|---|---|
| | 1 | 1 | 1 | 1 | 1 |
| ANUMANT | 7 | 7 | 7 | 7 | 7 |
| | 0 | 0 | 0 | 0 | 0 |
| ANIMAL ID | 0 | 0 | 0 | 0 | 0 |
| | 1 | 1 | 1 | 1 | 1 |
| | 0 | 0 | 0 | 0 | 0 |
| | 1 | 2 | 3 | 4 | 5 |

*TOTALS

Alimentary System

Liver + + + + + 5

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

NONE

Musculoskeletal System

NONE

Nervous System

NONE

+ .. Tissue examined microscopically

M .. Missing tissue

X ..Lesion present

A .. Autolysis precludes evaluation

I .. Insufficient tissue

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Type: 14-DAY

Test Compound: Propylene glycol mono-t-butyl ether

Species/Strain: Rat/F 344/N

CAS Number: 57018-52-7

Date Report Requested: 10/22/2014 Time Report Requested: 14:55:55

First Dose M/F: NA / NA

Lab: BNW

| | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | | | |
|-----------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-----|-----|-----|
| F 344/N Rat Female CONTROL | | 0 1 7 | 0 1 7 | 0 1 7 | 0 1 7 | 0 1 7 | | | |
| | ANIMAL ID | 0 0 1 | 0 0 1 | 0 0 1 | 0 0 1 | 0 0 1 | | | |
| | | 0 1 | 0 2 | 0 | 0 4 | 0 5 | *T(| ATC | LS |
| Respiratory System | | | | | | | | | |
| Lung | | + | + | + | + | + | 5 | | |
| Inflammation, Chronic Activ | ve | 1 | | | | 1 | | 2 | 1.0 |
| Nose | | + | + | + | + | + | 5 | | |
| Special Senses System | | | | | | | | | |
| NONE | | | | | | | | | |
| Urinary System | | | | | | | | | |
| Kidney | | + | + | + | + | + | 5 | | |
| Renal Tubule, Regeneration | n | | | | | 1 | | 1 | 1.0 |

M .. Missing tissue

I .. Insufficient tissue

A .. Autolysis precludes evaluation BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

^{+ ..}Tissue examined microscopically

X ..Lesion present

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Type: 14-DAY

Test Compound: Propylene glycol mono-t-butyl ether

Species/Strain: Rat/F 344/N

CAS Number: 57018-52-7

Date Report Requested: 10/22/2014 Time Report Requested: 14:55:55

First Dose M/F: NA / NA

Lab: BNW

DAY ON TEST

F 344/N Rat Female 75 PPM

ANIMAL ID

*TOTALS

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

NONE

Musculoskeletal System

NONE

Nervous System

NONE

+ .. Tissue examined microscopically

M .. Missing tissue

A .. Autolysis precludes evaluation

X ..Lesion presentI ..Insufficient tissue

BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Type: 14-DAY

Test Compound: Propylene glycol mono-t-butyl ether

Species/Strain: Rat/F 344/N

CAS Number: 57018-52-7

First Dose M/F: NA / NA Lab: BNW

Date Report Requested: 10/22/2014

Time Report Requested: 14:55:55

DAY ON TEST

F 344/N Rat Female 75 PPM

ANIMAL ID

*TOTALS

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

M .. Missing tissue

X ..Lesion present

A .. Autolysis precludes evaluation

I ..Insufficient tissue

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

^{+ ..} Tissue examined microscopically

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Type: 14-DAY

Test Compound: Propylene glycol mono-t-butyl ether

Species/Strain: Rat/F 344/N CAS Number: 57018-52-7

Date Report Requested: 10/22/2014 Time Report Requested: 14:55:55

First Dose M/F: NA / NA

Lab: BNW

DAY ON TEST

F 344/N Rat Female 150 PPM

ANIMAL ID

*TOTALS

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

NONE

Musculoskeletal System

NONE

Nervous System

NONE

+ .. Tissue examined microscopically

M .. Missing tissue

A .. Autolysis precludes evaluation

X ..Lesion presentI ..Insufficient tissue

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Type: 14-DAY

Test Compound: Propylene glycol mono-t-butyl ether

CAS Number: 57018-52-7

Date Report Requested: 10/22/2014 Time Report Requested: 14:55:55

First Dose M/F: NA / NA

Lab: BNW

DAY ON TEST

F 344/N Rat Female 150 PPM

Species/Strain: Rat/F 344/N

ANIMAL ID

*TOTALS

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

M .. Missing tissue

X ..Lesion present

A .. Autolysis precludes evaluation

I ..Insufficient tissue

BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

^{+ ..} Tissue examined microscopically

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Type: 14-DAY

Test Compound: Propylene glycol mono-t-butyl ether

CAS Number: 57018-52-7

Date Report Requested: 10/22/2014 Time Report Requested: 14:55:55

First Dose M/F: NA / NA

Lab: BNW

DAY ON TEST

F 344/N Rat Female 300 PPM

Species/Strain: Rat/F 344/N

ANIMAL ID

*TOTALS

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

NONE

Musculoskeletal System

NONE

Nervous System

NONE

+ .. Tissue examined microscopically

M .. Missing tissue

X ..Lesion present

A .. Autolysis precludes evaluation

I ..Insufficient tissue

BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Type: 14-DAY

Test Compound: Propylene glycol mono-t-butyl ether CAS Number: 57018-52-7

Species/Strain: Rat/F 344/N

First Dose M/F: NA / NA

Date Report Requested: 10/22/2014

Time Report Requested: 14:55:55

Lab: BNW

DAY ON TEST

F 344/N Rat Female **300 PPM**

ANIMAL ID

*TOTALS

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

M .. Missing tissue

X ..Lesion present

A .. Autolysis precludes evaluation

I .. Insufficient tissue

BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

^{+ ..} Tissue examined microscopically

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Type: 14-DAY

Test Compound: Propylene glycol mono-t-butyl ether CAS Number: 57018-52-7

Species/Strain: Rat/F 344/N

Time Report Requested: 14:55:55

Date Report Requested: 10/22/2014

First Dose M/F: NA / NA

Lab: BNW

DAY ON TEST

F 344/N Rat Female **600 PPM**

ANIMAL ID

*TOTALS

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

NONE

Musculoskeletal System

NONE

Nervous System

NONE

+ .. Tissue examined microscopically

M .. Missing tissue

A .. Autolysis precludes evaluation

X .. Lesion present I .. Insufficient tissue

BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Propylene glycol mono-t-butyl ether

CAS Number: 57018-52-7

Date Report Requested: 10/22/2014 Time Report Requested: 14:55:55

First Dose M/F: NA / NA

Lab: BNW

DAY ON TEST

F 344/N Rat Female 600 PPM

Species/Strain: Rat/F 344/N

ANIMAL ID

*TOTALS

Respiratory System

Test Type: 14-DAY

NONE

Special Senses System

NONE

Urinary System

NONE

M .. Missing tissue

X ..Lesion present

A .. Autolysis precludes evaluation

I ..Insufficient tissue BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

^{+ ..} Tissue examined microscopically

Test Type: 14-DAY

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Propylene glycol mono-t-butyl ether

CAS Number: 57018-52-7

Date Report Requested: 10/22/2014 Time Report Requested: 14:55:55

First Dose M/F: NA / NA

Lab: BNW

F 344/N Rat Female 1200 PPM

Species/Strain: Rat/F 344/N

| AY ON TEST | 0 | 0 | 0 | 0 | 0 | |
|------------|---|---|---|---|---|--|
| | 0 | o | 0 | 0 | 0 | |
| | 1 | 1 | 1 | 1 | 1 | |
| ANIMAL ID | 7 | 7 | 7 | 7 | 7 | |
| | 0 | 0 | 0 | 0 | 0 | |
| | 1 | 1 | 1 | 1 | 1 | |
| | 1 | 1 | 1 | 1 | 1 | |
| | 0 | 0 | 0 | 0 | 0 | |
| | 1 | 2 | 3 | 4 | 5 | |

*TOTALS

Alimentary System

Liver + + + + + 5

D

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

NONE

Musculoskeletal System

NONE

Nervous System

NONE

+ .. Tissue examined microscopically

M .. Missing tissue

A .. Autolysis precludes evaluation

X ..Lesion presentI ..Insufficient tissue

BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Type: 14-DAY Test Compound: Propylene glycol mono-t-butyl ether

Species/Strain: Rat/F 344/N

CAS Number: 57018-52-7

Time Report Requested: 14:55:56

Date Report Requested: 10/22/2014

First Dose M/F: NA / NA

Lab: BNW

| | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | | | |
|-----------------------------|-------------|------------|------------|------------|------------|--------|-----|--------------|-----|
| F 344/N Rat Female | | 0 | 0 | 0 | 0 | 0 | | | |
| 1200 PPM | | <i>1 7</i> | <i>1 7</i> | <i>1 7</i> | <i>1 7</i> | 1 7 | | | |
| 120011111 | ANIMAL ID | 0 | 0 | 0 | 0 | 0 | | | |
| | | i | 1 | 1 | li | | | | |
| | | 0 | 0 | 0 | 0 | 0 | *TC | \ Τ Λ | 10 |
| | | 1 | 2 | 3 | 4 | 5 | IC | ЛΑ | LS |
| Respiratory System | | | | | | | | | |
| Lung | | + | + | + | + | + | 5 | | |
| Inflammation, Chronic Activ | re | 1 | | | | 1 | | 2 | 1.0 |
| Nose | | + | + | + | + | + | 5 | | |
| Special Senses System | | | | | | | | | |

NONE

Urinary System

Kidney

** END OF REPORT **

M .. Missing tissue

X ..Lesion present

A .. Autolysis precludes evaluation

I .. Insufficient tissue

BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

^{+ ..} Tissue examined microscopically